Appl. No. 10/767,090

Amdt. Dated April 25, 2005

Response to Office Action of Jan. 10, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A seat structure including a back frame and a cushion frame

comprising:

a flat-type supporting member for the a seat back supported by said back frame;

a tension adjusting mechanism for adjusting a tension of said flat-type supporting member

for the seat back; and

a flat-type supporting member for the a seat cushion elastically supported by said cushion

frame separately from said flat-type supporting member for the seat back; wherein said tension

adjusting mechanism comprises:

a torsion bar disposed in a vicinity of a bottom end of said back frame along a width

direction of the back frame; and

a pelvis supporting plate composed of a plate member having predetermined width and

length, connectedly disposed with said torsion bar, positioned in a rear of a pelvis of a seated person,

and enforced in a direction pushed forward in a normal state, said flat-type supporting member for

the seat back is engaged with a vicinity of a bottom end of said pelvis supporting plate at a bottom

end thereof, and strained vertically on said back frame by an elastic force of said torsion bar.

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3. (Original) The seat structure according to claim 2, wherein said torsion bar is connected to

the vicinity of the bottom end of said pelvis supporting plate.

4. (Original) The seat structure according to claim 2, wherein said pelvis supporting plate is

formed in a curved shape protruding backward at nearly central portion thereof in the width

direction.

5. (Original) The seat structure according to claim 2, wherein at least a portion of said pelvis

supporting plate is formed of synthetic resin, a three-dimensional net member, a two-dimensional

net member, or rubber.

6. (Currently Amended) The seat structure according to claim 1, wherein coil springs are

provided between respective side portions corresponding to the a waist portion of a seated person

on said flat-type supporting member for the seat back and respective side frames forming said back

frame to pull the respective side portions corresponding to the waist portion toward respective side

frames.

7. (Currently Amended) The seat structure according to claim 1, wherein a fabric spring is

connected to an upper end of said flat-type supporting member for the seat back and hung on the an

upper frame forming said back frame and the an end portion of the fabric spring is fixed to the flat-

type supporting member for the seat back on the a back face side.

8. (Currently Amended) The seat structure according to claim 1, wherein said flat-type

supporting member for the seat cushion is engaged with a front frame forming said cushion frame

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at the a front end portion thereof, and elastically supported by a rear frame forming said cushion

frame via spring members at the a rear end portion thereof, and the spring members act as a tension

adjusting mechanism of the flat-type supporting member for the seat cushion.

9. (Original) The seat structure according to claim 8, wherein said spring member is a coil

spring or a torsion bar connected to a rear end portion of said flat-type supporting member for the

seat cushion and supported by a rear frame forming said cushion frame.

10. (Currently Amended) The seat structure according to claim 8, wherein a first band member

for the seat cushion is provided in layers at nearly central portion from front to back along the a

width direction on the a back face of said flat-type supporting member for the seat cushion, and

connected to the a vicinity of one side portion of the flat-type supporting member for the seat cushion

at one end, and engaged with a side frame corresponding to the an other side portion of the flat-type

supporting member for the seat cushion at the an other end.

11. (Currently Amended) The seat structure according to claim 8, wherein a second band

member for the seat cushion is provided in layers in the a vicinity of one side portion of said flat-type

supporting member for the seat cushion in the a direction from front to back, and connected to the

a vicinity of the a front portion of the flat-type supporting member for the seat cushion at least at one

end and engaged with the rear frame at the an other end, so that a setting height of the flat-type

supporting member for the seat cushion is maintained at a predetermined height.

12. (Currently Amended) The seat structure according to claim 11, wherein the setting height

of one side portion of said flat-type supporting member for the seat cushion is higher than that of one

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side frame corresponding to the one side portion of the flat-type supporting member for the seat

cushion, owing to being supported by said second band member for the seat cushion.

13. (Currently Amended) The seat structure according to claim 10, wherein a second band

member for the seat cushion is provided in layers in the vicinity of one side portion of said flat-type

supporting member for the seat cushion in the a direction from front to back, and connected to the

a vicinity of the front portion of the flat-type supporting member for the seat cushion at least at one

end and engaged with the rear frame at the an other end, so that a setting height of the flat-type

supporting member for the seat cushion is maintained at a predetermined height.

14. (Currently Amended) The seat structure according to claim 13, wherein the setting height

of one side portion of said flat-type supporting member for the seat cushion is higher than that of one

side frame corresponding to the one side portion of the flat-type supporting member for the seat

cushion, owing to being supported by said second band member for the seat cushion.

15. (Withdrawn) The seat structure according to claim 2, wherein a band member for the seat

back to enhance a feeling of support in the vicinity of the body side is disposed on the back face side

of said flat-type supporting member for the seat back without being joined to the flat-type supporting

member for the seat back.

16. (Withdrawn) The seat structure according to claim 15, wherein said band member for the

seat back is composed including a vertical band member provided along the body side, being

connected to the upper frame of the back frame at the upper end and to said pelvis supporting plate

at the bottom end respectively.

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- 17. (Withdrawn) The seat structure according to claim 16, wherein said band member for the seat back further includes a lateral band member connected to the side frame of the back frame along the width direction in the vicinity corresponding to the waist portion.
- 18. (Original) The seat structure according to claim 1, wherein said flat-type supporting member for the seat back and the flat-type supporting member for the seat cushion are composed of a two-dimensional net member or a three-dimensional net member.